

What is claimed is:

1. A back light assembly for a liquid crystal display device having a display area comprising:

a mold frame having first and second end portions;

lamp supporters at the first and second end portions of the mold frame;

a lamp having first and second end portions, the lamp supporters receiving the lamp, the lamp being disposed in a lower portion of the display area;

a reflection sheet over the mold frame and below the lamp;

a diffusion plate over the lamp; and

a diffusion plate supporting member between the reflection sheet and the diffusion plate, the diffusion plate supporting member having an elastic material contacting the diffusion plate.

2. The back light assembly for a liquid crystal display device of claim 1, wherein the diffusion plate supporting member includes:

a support portion coupled to the mold frame at one side, the diffusion plate support member having sufficient rigidity to prevent the diffusion plate from dropping down; and

a contact portion having elasticity, coupled to one end of the support portion contacting the diffusion plate.

3. The back light assembly for a liquid crystal display device of claim 2, wherein the

contact portion of the diffusion plate supporting member is made of a soft material.

4. The back light assembly for a liquid crystal display device of claim 2, wherein the contact portion is made of rubber.

5. The back light assembly for a liquid crystal display device of claim 2, wherein the support portion is made of plastic.

6. The back light assembly for a liquid crystal display device of claim 2, wherein the support portion is made of metal.

7. The back light assembly for a liquid crystal display device of claim 2, wherein the diffusion plate supporting member has a conical shape.

8. The back light assembly for a liquid crystal display device of claim 7, wherein the contact portion includes a cap having an insertion hole for receiving one end of the support portion.

9. The back light assembly for a liquid crystal display device of claim 8, wherein the contact portion further includes a projection to prevent the contact portion from detaching from the support portion once the support portion is inserted into the contact portion through the insertion hole.

10. The back light assembly for a liquid crystal display device of claim 8, wherein the contact portion further includes means for preventing the contact portion from detaching from the support portion once the support portion is inserted into the contact portion through the insertion hole.

11. The back light assembly for a liquid crystal display device of claim 2, wherein the

support portion includes a base portion extending outward from a bottom end of the support portion.

12. The back light assembly for a liquid crystal display device of claim 2, wherein the support portion includes a first hole and the mold frame includes a second hole corresponding to the first hole.

13. The back light assembly for a liquid crystal display device of claim 12, wherein a fastening element is passed through the first and second holes of the support portion and the mold frame, respectively, for coupling the diffusion plate supporting member to the mold frame.

14. The back light assembly for a liquid crystal display device of claim 13, wherein the fastening element includes a screw.

15. The back light assembly for a liquid crystal display device of claim 2, further comprising means for coupling the diffusion plate supporting member and the mold frame.

16. The back light assembly for a liquid crystal display device of claim 2, further comprising means for immovably coupling the diffusion plate supporting member and the mold frame.

17. The back light assembly for a liquid crystal display device of claim 1, wherein the diffusion plate supporting member includes a top portion and a bottom portion, the top portion having a smaller circumference than the bottom portion.

18. The back light assembly for a liquid crystal display device of claim 2, wherein the support portion includes a top portion and a bottom portion, the top portion having a smaller circumference than the bottom portion.

19. The back light assembly for a liquid crystal display device of claim 18, wherein the top portion of the support portion has a first conical shape and the bottom portion of the support portion has a second conical shape, the second conical shape being smaller than the first conical shape.

20. The back light assembly for a liquid crystal display device of claim 19, wherein the support portion has a middle portion between the top portion and the bottom portion, the middle portion.

21. The back light assembly for a liquid crystal display device of claim 20, wherein the middle portion has a cylindrical shape.

22. The back light assembly for a liquid crystal display device of claim 20, wherein the middle portion is used to couple the contact portion to the support portion.

23. The back light assembly for a liquid crystal display device of claim 2, wherein the support portion includes means for enhancing cohesion between the mold frame and the reflection sheet.

24. The back light assembly for a liquid crystal display device of claim 1, further comprising a plurality of diffusion plate supporting members supporting the diffusion plate.

25. The back light assembly for a liquid crystal display device of claim 1, wherein the lamp supporters include lamp receiving grooves.

26. The back light assembly for a liquid crystal display device of claim 1, further comprising a panel guide, the diffusion plate being positioned between the panel guide and the mold frame.

27. A method of forming a back light assembly having a mold frame, lamp supporters, a lamp, a reflection sheet, a diffusion plate and a supporting member, the method comprising:

coupling lamp supporters to the mold frame;

receiving the lamp at the lamp supporters, the lamp being disposed in a lower portion of the display area;

positioning the reflection sheet over the mold frame and below the lamp;

positioning the diffusion plate over the lamp; and

positioning the supporting member between the reflection sheet and the diffusion plate, the supporting member having an elastic material contacting the diffusion plate.

28. A back light assembly comprising:

a mold frame;

lamp supporters coupled to the mold frame;

a lamp coupled to the lamp supporters;

a reflection sheet over the mold frame and below the lamp;

a diffusion plate over the lamp; and

a diffusion plate supporting member between the reflection sheet and the diffusion plate, the diffusion plate supporting member having an elastic material contacting the diffusion plate, the diffusion plate supporting member including:

a first portion coupled to the mold frame at one side, the diffusion plate support member having sufficient rigidity to prevent the diffusion plate from dropping down; and

a second portion coupled to one end of the first portion contacting the diffusion plate, the second portion having more elasticity than the first portion.

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